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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

CHOW, CHARLES CHIANG

ART UNIT PAPER NUMBER

2685

DATE MAILED: 12/19/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/035,675

Applicant(s)

HURST, HAROLD RAY

Examiner

Charles Chow

Art Unit

2685

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 November 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4,6-10 and 12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4,6-10 and 12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

Detailed Action

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. Claims 1-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sheridan et al. (US 6,725,032 B1) in view of Beckwith et al. (US 6,330,598 B1)

Regarding **claim 1**, Sheridan et al. (Sheridan) teaches a method of formatting data for populating a telecommunications switch [the populating switch unit 216 with new configuration parameters from user work station 304, having the new configuration to be transmitted to cell configuration system 302 in a HTML page, to reconfigure parameters in switch 216 according to the received reconfiguration data from work station 304, col. 5, line 61 to col. 6, line 6; of the switch 204 in cell site 108, Fig. 2/Fig. 9, col. 3, lines 37- 48, abstract & the processing screen display in Fig. 15-24];

comprising the steps of downloading output formatted data from switch [the downloading by opening browser 314 on work station 304, for receiving configuration data in graphic representation of the components belongs to cell site 108, col. 5, lines 51-60],

editing the input formatted data [the user edits, selects, the components to generate new switch configuration data via navigation module 702 graphic interface in col. 8, line 53 to col. 9, line 18; the reconfiguring the switch according to the parameters specified in the configuration data, col. 6, lines 3-6],

Art Unit: 2685

transmitting the input formatted data to the switch and populating the switch with the input formatted data [the work station 304 transmits configuration data to cell site 108 for re-configuration of the switching unit 216 according to the parameter specified in the configuration data, col. 5, line 61 to col. 6, line 6].

Sheridan fails to teach the converting the output formatted data into input formatted data acceptable for input to the switch, editing the input formatted data, wherein the step of editing the input formatted data including adding new to the input formatted data according to a format of the input data, wherein by the new data is NPA-Nxx data.

Beckwith et al. (Beckwith) teaches these features [the modifying, updating, parameter in Scp of telephone switch in col. 3, lines 29-56 & col. 5, lines 6-21; translators 36, 38 translates received update message request from user in col. 3, lines 59 to col. 4, line 17; into acceptable input format for CORBA IIOP in col. 6, lines 56-61; editing, modifying, adding new parameters to store at Scp, col. 3, line 29-40; the adding new NXX to NPA in col. 11, lines 1-11 & col. 14, lines 36-50], in order to managing the update user request without confusion [col. 2, lines 29-39]. Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to modify Sheridan with Bechwith's editing, modifying, adding new NPA-Nxx, in order to update the parameters in Scp of the switch network without confusion.

Regarding **claim 2**, Sheridan teaches the step of opening a link between a first computer system (304) and the switch (the switch 216 in cell site 108, the opening link in col. 5, lines 11-21; col. 5, lines 51-54), and transmitting the input formatted data to the switch via the link between the first computer and the switch (the work station 304 receiving the configuration data in graphical representation for the component in cell site 108, for user to enter new configuration, col. 5, line 54 to col. 6, line 6).

Art Unit: 2685

Regarding **claim 3**, Sheridan teaches the opening a telenet session a the first computing system (the opening a browser 314 on work station 304 in col. 5, lines 51-54) and establishing a communications link for transmitting data to and from the first computer system and the switch (the work station 304 establish connection with cell configuration system 302 for receiving configuration components of the cell site 108 in graphical representation, col. 5, lines 11-21; col. 5, lines 36-60).

Regarding **claim 4**, Sheridan teaches the steps of launching a data formatting program on the first computer system (the opening browser 314-316 in col. 5, lines 11-21, the graphical representation in col. 5, lines 51-54) and opening a graphic user interface for receiving downloaded output formatted data to switch (the graphical representation on work station 304 col. 5, lines 51-60; the user graphical display interface in col. 4, line 42 to col. 5, line 3), for reconfiguring, formatting, the switch components.

2. Claims 6-10, 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sheridan in view of Beckwith, as applied to claim 1 above, and further in view of Lozano et al. (US 5,982,869).

Regarding **claim 6**, Sheridan & Beckwith fails to teach the step of deleting data from input formatted data. Lozano teaches the step of deleting data from input formatted data [col. 12, lines 11-25]. Lozano teaches an upgrade method for routing telephone calls ffor different countries, by flexibly reconfiguring the routing table in a switch [col. 1, lines 15-57].

Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to modify Sheridan & Beckwith with Lozano's flexible reconfiguration of the routing table for a switch in order to flexibly route different telephone calls.

Art Unit: 2685

Regarding **claim 7**, Lozano teaches the step of transmitting the input formatted data to a second switch (the transmitting reformatted unique routing table to each switch, for the second switch, col. 15, lines 34-44).

Regarding **claim 8**, Lozano teaches the transmitting the input formatted data to a plurality of switches (the transmitting reformatted unique routing table to each switch, for the plurality of switches, col. 15, lines 34-44; plurality of switches in col. 6, line 23 to col. 7, line 19).

Regarding **claim 9**, Lozano teaches the step for populating a second switch with the input formatted data (the populating routing table to second switch, by transmitting reformatted routing table to each unique switch, col. 4, lines 57-63; col. 15, lines 34-44).

Regarding **claim 10**, Lozano teaches the step of populating a plurality of switches with the input formatted data (the reformatting routing table for each unique switch, col. 4, lines 57-63; col. 15, lines 34-44, for each particular, plurality of switches, col. 6, line 23 to col. 7, line 19).

Regarding **claim 12**, Lozano teaches the data including the routing information for call processing (the reformatted routing table for plurality of unique switches, col. 4, lines 57-63; col. 15, lines 34-44).

Response to Arguments

3. Applicant's arguments with respect to claims 1-4, 6-10, 12 have been considered but are moot in view of the new ground(s) of rejection.

Regarding applicant's amendment based on the on teachings from Lozano-'869, for the editing input formatted data and adding new data NPA-Nxx [pages 5-6 of applicant's amendment],

Bechwith et al. (US 6,330,598 B1) teaches these features [the modifying, updating, parameter in Scp of telephone switch in col. 3, lines 29-56 & col. 5, lines 6-21; translators

Art Unit: 2685

36, 38 translates received update message request from user in col. 3, lines 59 to col. 4, line 17; into acceptable input format for CORBA IIOP in col. 6, lines 56-61; editing, modifying, adding new parameters to store at Scp, col. 3, line 29-40; the adding new NXX to NPA in col. 11, lines 1-11 & col. 14, lines 36-50].


Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles Chow whose telephone number is (571) 272-7889. The examiner can normally be reached on 8:00am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban can be reached on (571) 272-7899. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Charles Chow 

November 29, 2005.


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